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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/523,850	02/07/2005	Thomas John	3208	4407
7590 Striker Striker & Stenby 103 East Neck Road Huntington, NY 11743		08/02/2007	EXAMINER NGUYEN, PHONG H	
			ART UNIT 3724	PAPER NUMBER
			MAIL DATE 08/02/2007	DELIVERY MODE PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

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Office Action Summary	Application No.	Applicant(s)	
	10/523,850	JOHN ET AL.	
	Examiner	Art Unit	
	Phong H. Nguyen	3724	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 14 June 2007.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 15-20 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 15-20 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date _____ | 6) <input type="checkbox"/> Other: _____ |

DETAILED ACTION

Claim Objections

1. Claims 15 and 16 are objected to because of the following informalities: “variable cutting” in line 2 of step (b) should be likely -variable cutting force--. Appropriate correction is required.

Specification

2. The Specification is objected to under 37 CFR 1.71 because it does not teach the thickness of the glass sheet being continuously measured during the fissure formation process.

Claim Rejections - 35 USC § 112

3. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

4. Claim 16-20 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention. The Specification does not teach the thickness of the glass sheet being continuously measured during the fissure formation process in claim 16.

Claim Rejections - 35 USC § 102

5. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

6. Claims 15-17 and 20 are rejected under 35 U.S.C. 102(b) as being anticipated by Bier et al (US 3,756,104).

Regarding claims 15, 16 and 20, Bier teaches a method for cutting a glass sheet comprising the steps of:

- a) moving a cutting tool at an angle to a travel direction of the glass sheet across the width of the glass sheet;
- b) during the moving of the cutting too across the glass sheet, applying a variable cutting force to positions on the glass sheet;
- c) measuring a thickness of the glass sheet (col. 1, lines 40-50);
- d) adjusting a cutting force according to the measured thickness in step (c); and
- e) mechanically breaking the glass sheet along the fissure.

See Figs. 1-5.

Regarding claim 17, a controller (2 & 6) determining applied force is best seen in Fig. 1.

Claim Rejections - 35 USC § 103

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7. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

8. Claim 15-20 are rejected under 35 U.S.C. 103(a) as being unpatentable over Almar et al. (EP 0,837,042) in view of Bier et al (US 3,756,104).

Regarding claims 15, 16 and 20, Almar teaches a method for cutting a glass sheet comprising the steps of:

- a) moving a cutting tool 15 at an angle to a travel direction of the glass sheet 2 across the width of the glass sheet;
- b) measuring an average thickness of the glass sheet; and
- c) mechanically breaking the glass sheet along the fissure.

See Figs. 1-4 and paragraphs [25-27].

Almar does not teach the steps of measuring irregular surface of the glass sheet and applying variable cutting force to create a constant fissure.

Bier teaches the steps of measuring irregular surface of a glass sheet and applying variable cutting force to create a constant fissure. See Background of the invention.

Therefore, it would have been obvious to one skilled in the art at the time the invention was made to incorporate the steps of measuring irregular surface of the glass sheet and applying variable cutting force as taught by Bier to the method of cutting glass sheet of Almar to create a constant fissure.

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Regarding claim 17, a controller (2 & 6) determining applied force is best seen in Fig. 1 in Bier.

Regarding claim 18, Almar teaches that the cutting force can be specified by a controller 55 based on externally input control commands. See paragraph [25] in Almar.

Regarding claim 19, Almar teaches entering the data of position-dependent switchover points (thickness of the glass sheets) to the controller externally.

Response to Arguments

9. Applicant's arguments with respect to claims 15-20 have been considered but are moot in view of the new ground(s) of rejection.

Conclusion

10. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Charles Goodman whose telephone number is (571) 272-4508. The examiner can normally be reached on Monday-Friday between 8:30 AM to 6:00 PM EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Boyer Ashley, can be reached on (571) 272-4502. In lieu of mailing, it is encouraged that all formal responses be faxed to (571) 273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR

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system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at (866) 217-9197 (toll-free).

/Timothy V. Eley/
Primary Examiner, A.U. 3724

PN : 

July 25, 2007